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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,245	01/26/2004	Feng Cao	062891.1187	4163
5073	7590	03/22/2011		
BAKER BOTTS L.L.P. 2001 ROSS AVENUE SUITE 600 DALLAS, TX 75201-2980			EXAMINER  ZENATI, AMAL S	
			ART UNIT  2614	PAPER NUMBER
			NOTIFICATION DATE  03/22/2011	DELIVERY MODE  ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ptomail1@bakerbotts.com

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**Supplemental  
Notice of Allowability**

**Application No.**

10/766,245

**Examiner**

AMAL ZENATI

**Applicant(s)**

CAO ET AL

**Art Unit**

2614

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Printer Rush.
2. ☒ The allowed claim(s) is/are 1,3-9,11-17 and 19-40.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
|---|---|

## DETAILED ACTION

### ***Supplemental Examiner's Amendment***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Keiko Ichiye, Reg. No. 45,9460 on March 9, 2011. The applicant representative, Keiko Ichiye agreed to the following changes without prejudice.

#### **The amendment to dependent claims 3-4, 11-12, and 19-20 as the following:**

**Claim 3.** The method of claim ~~2~~ 1, wherein the open message identifies a hold time for which the open message is valid.

**Claim 4.** The communication system of claim ~~2~~ 1, further comprising receiving keepalive messages from the identified node, wherein the keepalive messages indicate that the identified node is still operable to receive notification messages, and wherein transmitting the notification message comprises transmitting the notification message to the identified node based on whether a keepalive message has been received within a predetermined time period.

**Claim 11.** The apparatus of Claim ~~10~~ 9, wherein the open message identifies a hold time for which the open message is valid.

**Claim 12.** The apparatus of Claim ~~40~~ 9, wherein the network interface is further operable to receive keepalive messages from the identified node, wherein the keepalive messages indicate that the identified node is still operable to receive notification messages, and wherein the network interface is further operable to transmit the notification message to the identified node based on whether a keepalive message has been received from the identified node within a predetermined time period.

**Claim 19.** The system of Claim ~~48~~ 17, wherein the open message identifies a hold time for which the open message is valid.

**Claim 20.** The system of Claim ~~48~~ 17, wherein one or more network nodes are further operable to transmit keepalive messages to the filter node, wherein the keepalive messages indicate that the network node sending the keepalive message is still operable to receive notification messages, and wherein the filter node is further operable to transmit the notification message to only network nodes from which the filter node has received a keepalive message within a predetermined time period.

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amal Zenati whose telephone number is 571-270-1947. The examiner can normally be reached on Monday-Friday from 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on 571- 272- 7499. The fax phone number for the organization where this application or proceeding is assigned is 571- 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/CURTIS KUNTZ/  
Supervisory Patent Examiner, Art Unit 2614

/Amal Zenati/  
Patent Examiner, Art Unit 2614

March 14, 2011